

Strategies to Manage Karnal bunt and Retain Global Wheat Markets

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- Identify alternative marketing, transportation, and phytosanitary certification strategies for maintaining international competitiveness in response to the following scenarios:
 - a) deregulation of KB as a quarantine pest by the US;
 - b) further spread of KB into US wheat production areas
 - c) development of new KB-resistant wheat varieties.
- Assess the costs and feasibility of alternative strategies.

Standard Operating Procedures

Karnal Bunt

SOPs for Seed Procurement and Planting



Kansas State University
Agricultural Experiment
Station and Cooperative
Extension Service

<http://www.oznet.ksu.edu/library/crpsl2/mf2584.pdf>

Karnal Bunt

SOPs for Harvest Equipment



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Extension Service

<http://www.oznet.ksu.edu/library/crpsl2/mf2585.pdf>

Global Tracing and Recall System for US Grains: Proof-of-Concept

- 1) Develop a marker that possesses physical and chemical properties similar to native grain, does not segregate during handling, and identifies grain from an individual field.
- 2) Design and test a delivery system for tracing caplets and assess the best point of delivery on the combine or first collection point in the grain marketing system.
- 3) Evaluate scanning technology and create a data retrieval and management system that can trace grain movement and assess the feasibility of scaling this system up to handle the entire U.S. grain marketing system.
- 4) Analyze the economies of implementing a global grain tracing system.

